

10/20/00

PTO/SB/05 (2-98)

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

24-AT-5990

First Named Inventor or Application Identifier

Roy C. Chaltberg

Title

CORE SUPPORT FOR AN F-LATTICE CORE OF A BOILING WATER
NUCLEAR REACTOR

Express Mail Label No.

EL319732601US

Jc825 U.S. PTO
09/692135

10/19/00

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202311. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)6. ☐ Microfiche Computer Program (Appendix)2. ☒ Specification [Total Pages] 14
(Preferred arrangement set forth below)7. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

a. ☐ Computer Readable Copyb. ☐ Paper Copy (identical to computer copy)c. ☐ Statement verifying identity of above copies3. ☒ Drawing(s) (35 USC 113) [Total Sheets] 11

4. Oath or Declaration [Total Pages] 2

a. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR 1.63(d))(for continuation/divisional with Box 17 completed)
[Note Box 5 below]i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named
in the prior application, see 37 CFR 1.63(d)(2) and
1.33(b).5. ☐ Incorporation by Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the
oath or declaration is supplied under Box 4b, is considered as being part
of the disclosure of the accompanying application and is hereby
incorporated by reference therein.

ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))9. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)10. ☐ English Translation Document (if applicable)11. ☐ Information Disclosure ☐ Copies of IDS
Statement (IDS)/PTO-1449 Citations12. ☐ Preliminary Amendment13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)14. ☐ Small Entity ☐ Statement filed in prior application,
Statement(s) Status still proper and desired
(PTO/SB/09-12)15. ☐ Certified Copy of Priority Document(s)
(If foreign priority is claimed)16. ☒ Other: Certificate of Express Mailing*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL
ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27). EXCEPT IF ONE FILED IN A PRIOR
APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation☐ Divisional☐ Continuation-in-part (CIP)

of prior application No:

Prior application information:

Examiner: _

Group/Art Unit: _

18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Labelor ☒ Correspondence address below

(Insert Customer No. or Attach bar code label here)

NAME	John S. Beulick				
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Name (Print/type)	Michael Tersillo	Registration No. (Attorney/Agent)	42,180
Signature	Michael Tersillo	Date	10/19/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Office, Patent and trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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FEE TRANSMITTAL		Complete If Known	
<p>Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</p>		Applicant Number	
		Filing Date	
		First Named Inventor	Roy C. Challberg
		Group Art Unit	
		Examiner Name	
TOTAL AMOUNT OF PAYMENT	\$710.00	Attorney Docket Number	24-AT-5990

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)			
<input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:					
Deposit Account Number <u>01-2384</u>					
Deposit Account Name <u></u>					
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17		<input type="checkbox"/> Charge the Issue Fee Set in 37 CFR 1.16 at the Mailing of the Notice of Allowance			
2 <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other					
FEE CALCULATION					
1. FILING FEE					
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	710	201	355	Utility Filing Fee	710.00
106	320	206	160	Design Filing Fee	
107	490	207	245	Plant Filing Fee	
108	710	208	355	Reissue filing Fee	
114	150	214	75	Provisional Filing Fee	
SUBTOTAL (1)					\$ 710.00
2. CLAIMS					
Total Claims <u>16</u> *20		Extra	Fee From Below	Fee Paid	
Independent Claims <u>2</u> * 3		<u>0</u> x <u>0.00</u>	=	<u>0.00</u>	
Multiple Dependent Claims		<u>0</u> x <u>0.00</u>	=	<u>0.00</u>	
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	
102	18	201	9	Claims in excess of 20	
102	80	202	39	Independent claims in excess of 3	
104	206	204	130	Multiple dependent claim	
109	78	209	39	Reissue independent claims over original patent	
110	18	210	9	Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					\$ 0.00
FEE CALCULATION (continued)					
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2520	147	2520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	
115	110	216	55	Extension for reply within first month	
116	380	216	190	Extension for reply within second Month	
117	870	217	435	Extension for reply within third month	
118	1360	218	680	Extension for reply within fourth Month	
128	1850	228	925	Extension for reply within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1510	138	1510	Petition to institute a public use Proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1210	241	605	Petition to revive - unintentional	
142	1210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional Applications	
126	240	126	240	Submission of Information	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	690	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	690	249	395	For each additional invention to be examined (37 CFR 1.129(b))	
Otherfee (specify)					
Otherfee (specify)					
*Reduced by Basic Filing Fee Paid SUBTOTAL (3)					

SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name	Michael Tersillo			Reg. Number	42,180
Signature				Deposit Account User ID	
Date	10/18/00				

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CERTIFICATE OF MAILING BY EXPRESS MAIL TO
THE COMMISSIONER OF PATENTS AND TRADEMARKS

Express Mail mailing label number: EL319732601US

Date of Mailing: October 19, 2000

I certify that the attached complete utility patent application of **Roy C. Challberg** for **CORE SUPPORT FOR AN F-LATTICE CORE OF A BOILING WATER NUCLEAR REACTOR**, including:

- Patent Application Transmittal (1 page)
- Fee Transmittal (in duplicate) (1 page)
- Nine (9) pages of specification; four (4) pages of claims; one (1) page of abstract
- Eleven (11) sheets of drawings
- Declaration and Power of Attorney of Roy C. Challberg (2 pages)
- Assignment of Roy C. Challberg (1 page)
- Assignment Recordation Cover Sheet (in duplicate) (1 page)
- Return post card

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.



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